

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-4. **(Canceled)**

5. **(Currently Amended)** A color adjusting method for a light source, used for an optical scan module which comprises at least a light source, a reflection mirror set, a lens set, and an optical detector, wherein the light source is used to radiate a document to obtain an imaging light, the reflection mirror set is disposed in an optical path of the imaging light to project the imaging light onto the optical detector, and the lens_set is located in the optical path between the optical detector and the reflection mirror set, the method comprising:

detecting a color ~~having insufficient intensity outputted by the~~ for which the optical detector has insufficient sensitivity; and

replacing the light with a color light source having a color effective ~~selected from a group consisting of red, green and blue colors~~ to reflect and enhance intensity of the color ~~detected to have insufficient output intensity~~ for which the optical detector has insufficient sensitivity.

6-10. **(Canceled)**

11. **(Currently Amended)** An optical scan module to scan a document, comprising:

a color light source capable of radiating the document to obtain an imaging light, wherein the color light source has a color selected from a group consisting of red, green, and blue colors according to a ~~a~~ color for which the optical detector has insufficient sensitivity ~~insufficient color intensity outputted by an optical detector~~;

a reflection mirror set disposed in an optical path of the imaging light[[,]] and capable of receiving and reflecting the imaging light; and

a lens set disposed in the optical path of the imaging light[[,]] and capable of allowing light reflected from the reflection mirror set pass therethrough, wherein the optical detector is disposed in the optical path of the imaging light to receive the imaging light passing through the lens set.

12. **(Canceled)**

13. **(Previously Presented)** The method of claim 5, further comprising:
measuring color output intensities outputted by the optical detector.

14. **(Previously Presented)** The method of claim 5, wherein the optical scan module is disposed in a scanner.

15. **(Currently Amended)** A scan module, comprising:
means for radiating a document to obtain an imaging light;
means for receiving and reflecting the imaging light;
means for allowing light reflected from the means for receiving and reflecting the imaging light to pass therethrough; and
means for receiving the imaging light passing through the means for allowing light to pass therethrough, wherein the means for radiating the document has a color ~~selected from a group consisting of red, green, and blue colors~~ according to a a[[n]] color for which the means for receiving the imaging light has insufficient sensitivity ~~insufficient color intensity outputted by the means for receiving the imaging light passing through the means for allowing light to pass therethrough.~~

16. **(Previously Presented)** The scan module of claim 15, wherein the means for radiating the document comprises a light source.

17. **(Previously Presented)** The scan module of claim 15, wherein the means for receiving and reflecting the imaging light comprises a reflection mirror set.

18. **(Previously Presented)** The scan module of claim 15, wherein the means for allowing light reflected from the means for receiving and reflecting the imaging light to pass therethrough comprises a lens set.

19. **(Previously Presented)** The scan module of claim 15, wherein the means for receiving the imaging light passing through the means for allowing light to pass therethrough comprises an optical detector.

20. **(Previously Presented)** The scan module of claim 15, wherein the scan module is disposed in an optical scanner.

21. **(Currently Amended)** A color adjusting method for a light source comprising:, ~~used for an optical scan module which comprises at least a light source and an optical detector, wherein the light source is used to radiate a document to obtain an imaging light at the optical detector, the method comprising:~~

detecting a color for which an optical detector of an optical scan module has insufficient sensitivity, the optical scan module comprising at least a light source, wherein the light source is used to radiate a document to obtain an imaging light at the optical detector~~having insufficient intensity outputted by the optical detector; and~~

replacing the light source with a color light source having color selected from a group consisting of red, green and blue colors to reflect and enhance intensity of the color for which the optical detector has insufficient sensitivity ~~detected to have insufficient output intensity.~~

22. **(Previously Presented)** The color adjusting method of claim 21, further comprising transmitting the imaging light through a lens set to the optical detector.

23. **(Previously Presented)** The color adjusting method of claim 22, further comprising reflecting the imaging light from a mirror set to the optical detector.

24. **(Currently Amended)** A scan module, comprising:
means for radiating a document to obtain an imaging light; and
means for receiving the imaging light, wherein the means for radiating the document has a color ~~selected from a group consisting of red, green, and blue colors~~ according to a [[n]] color ~~for which the means for receiving the imaging light has insufficient sensitivity~~ ~~insufficient color intensity outputted by the means for receiving the imaging light.~~

25. **(Previously Presented)** The scan module of claim 24, further comprising means for receiving and reflecting the imaging light; and means for allowing light reflected from the means for receiving and reflecting the imaging light to pass therethrough.

26. **(Previously Presented)** The scan module of claim 25, wherein the means for allowing light reflected from the means for receiving and reflecting the imaging light to pass therethrough comprises a lens set.

27. **(Previously Presented)** The scan module of claim 25, wherein the means for receiving and reflecting the imaging light comprises a reflection mirror set.

28. **(Previously Presented)** The scan module of claim 24, wherein the means for radiating the document comprises a light source.

29. **(Previously Presented)** The scan module of claim 24, wherein the means for receiving the imaging light comprises an optical detector.

30. **(Previously Presented)** The scan module of claim 24, wherein the scan module is disposed in an optical scanner.

31. **(New)** A color adjusting method for a light source comprising:
illuminating an optical detector having outputs with each output having an output intensity corresponding to an intensity of one of red, green, and blue light incident on the optical detector;

detecting one or more colors for which the optical detector has insufficient sensitivity;
and

illuminating the optical detector by way of a document with a color light source having a color selected from a group consisting of red, green and blue colors effective to compensate for the one or more colors for which the optical detector has insufficient sensitivity.

32. **(New)** The color adjusting method of claim 21, further comprising transmitting the imaging light through a lens set to the optical detector.

33. **(New)** The color adjusting method of claim 22, further comprising reflecting the imaging light from a mirror set to the optical detector.